

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Phaseolus lunatus

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	FAT	Fruit		6000.0	-0.5954245724262762	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
3	5-DEOXYKIEVITONE	Leaf		2300.0		Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.
13	COUMESTROL	Leaf		1200.0	1.0	--
4	PHOSPHORUS	Leaf		360.0	-0.8484475813664748	--
2	5-DEOXYKIEVITOL	Leaf		33000.0		Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.
81	GENISTEIN	Leaf		2300.0	-0.5761048613124907	Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.
0	3-HYDROXY-4'-METHOXYFLAVONE	Shoot				--
3	2,3-DEHYDROKIEVITONE	Leaf		900.0		Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.
81	GENISTEIN	Leaf Diffusate				--
3	2'-HYDROXYDAIDZEIN	Leaf		2300.0		Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.
8	AMYGDALIN	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
2	2,3-DEHYDROKIEVITOL	Leaf		800.0		Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.
0	WATER	Sprout Seedling		640000.0	-1.6726424699664966	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	ISOFERREIRIN	Leaf		1100.0		Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.
0	PHASEOLUNATIN	Seed				--
0	1",2"- DEHYDROCYCLOKIEVITON E	Leaf		5600.0		Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.
4	IRIGENIN	Shoot				--
3	DALBERGIODIN	Leaf Diffusate		12.0	1.0	--
0	WATER	Leaf		972000.0	0.8200006464526265	--
15	FIBER	Leaf		111000.0	-0.6249222392756235	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	PROTEIN	Fruit		188000.0	1.0523462069938174	--
3	8-HYDROXYGENISTEIN	Leaf		3600.0		Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.
15	FIBER	Fruit		175000.0	0.314457685414015	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	GARBANZOL	Shoot				--
2	CYCLOKIEVITONE- HYDRATE	Leaf		500.0		Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.
0	HYDROXYGENISTEIN	Leaf Diffusate		4.0	-1.0042632195254433	--
1	8,2'-DIHYDROXYGENISTEIN	Leaf		5800.0		Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.
2	4-(GAMMA,GAMMA- DIMETHYLALLYL)PHASEOL LIDIN	Leaf		400.0		Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.
0	CARBOHYDRATES	Fruit		766000.0	-0.0902750066674574	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
2	CYCLO-2,3-DEHYDROKIEVITONE-HYDRATE	Leaf		2100.0		Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.
0	2'-METHOXYGENISTEIN	Leaf		5100.0		Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.
2	3'-(GAMMA,GAMMA-DIMETHYLALLYL)KIEVITONE	Leaf		9700.0		Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.
13	COUMESTROL	Root				--
0	ASH	Fruit		40000.0	-0.4315138599096578	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
3	2'-HYDROXYGENISTEIN	Leaf		5100.0		Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.
0	S-METHYL-CYSTEINE	Plant				--
2	2,10-DI-(GAMMA,GAMMA-DIMETHYLALLYL)GLYCINOL	Leaf		500.0		Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.
0	GLUTAMYL-5-METHYLCYSTEINE	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
112	ASCORBIC-ACID	Seed	0.0	952.0	0.23307541788601452	--
0	TITANIUM	Seed	0.0	20.0	0.06479285650349677	--
2	MOLYBDENUM	Seed	0.0	15.0	2.256828035241135	--
2	COBALT	Seed	0.0	1.0	-0.16257255524625883	--
53	BETA-CAROTENE	Seed	0.0	9.8	0.18328220133121417	USDA's Ag Handbook 8 and sequelae)
24	CHROMIUM	Seed	0.0	5.0	0.045935160498438064	--
81	GENISTEIN	Seed	0.0	40.1	-0.30321411252522595	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	FAT	Leaf	0.0	48000.0	-0.16862267810970435	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
13	COUMESTROL	Seed	0.0			--
31	THIAMIN	Sprout Seedling	0.1	4.7	-0.8926853261592119	--
16	VANADIUM	Seed	0.22	3.0	2.2640915166491467	--
15	RIBOFLAVIN	Seed	0.3	5.1	0.6039254891737816	--
53	BETA-CAROTENE	Sprout Seedling	0.3	0.8	-0.4606140559060844	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
32	DAIDZEIN	Seed	0.3	28.0	-0.38531802700702444	--
3	NICKEL	Seed	0.3	7.0	0.4299174580067636	--
0	LEAD	Seed	0.4	5.0	0.7501092826491648	--
5	ALUMINUM	Seed	0.44	3000.0	4.630050127611181	--
0	ZIRCONIUM	Seed	0.9	7.0	2.195044244331477	--
4	BORON	Seed	1.0	30.0	0.2793241380657447	--
0	BARIUM	Seed	1.0	30.0	-0.23022161672747324	--
0	STRONTIUM	Seed	1.0	100.0	2.458461267539286	--
15	RIBOFLAVIN	Sprout Seedling	1.4	3.9	-1.108146796514586	--
31	THIAMIN	Seed	1.6	7.4	0.1946489656859541	--
0	VIT-B-6	Seed	2.0	7.2	0.9735016974675352	--
11	PANTOTHENIC-ACID	Seed	2.3	16.0	-0.07785532199076041	--
12	COPPER	Seed	3.0	15.0	0.01682814208698858	--
1	SODIUM	Seed	5.0	269.0	-0.28870093305884625	--
77	ZINC	Seed	7.0	100.0	1.5577119469180905	--
14	MANGANESE	Seed	8.0	100.0	0.5789731987465522	--
39	NIACIN	Sprout Seedling	8.0	56.0	-0.5317365686969346	--
39	NIACIN	Seed	10.0	49.5	0.19798273750765077	--
6	IRON	Sprout Seedling	13.0	228.0	2.073792630648015	--
6	MYRISTIC-ACID	Seed	20.0	67.0	-0.2951261296538609	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
6	IRON	Seed	22.0	1000.0	3.9456754096489095	--
6	IRON	Leaf	23.0	821.0	1.1604413665178475	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
112	ASCORBIC-ACID	Sprout Seedling	70.0	194.0	-0.9301554608062169	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
28	CALCIUM	Leaf	80.0	2857.0	-1.064557058192606	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	KILOCALORIES	Leaf	80.0	2860.0	-0.2548146676073852	--
0	KILOCALORIES	Sprout Seedling	100.0	3060.0	-1.0461169193597875	--
8	STEARIC-ACID	Seed	220.0	739.0	-0.5493562496934008	--
28	CALCIUM	Seed	250.0	8600.0	0.8179356201966016	--
13	MUFA	Seed	500.0	1680.0	-0.7794549980661318	--
18	OLEIC-ACID	Seed	500.0	1680.0	-0.9652896250150863	--
65	MAGNESIUM	Seed	580.0	7000.0	1.6016677704610653	--
15	METHIONINE	Seed	680.0	3017.0	-0.33511621096380556	--
2	CYSTINE	Seed	830.0	2789.0	-0.25111403533042315	USDA's Ag Handbook 8 and sequelae)
29	TRYPTOPHAN	Seed	900.0	3024.0	-0.10268270521142216	--
0	ALPHA-LINOLEIC-ACID	Seed	950.0	4570.0	-1.1760076321649213	--
0	FAT	Seed	1000.0	28898.0	-1.2456752692012885	--
0	PROLINE	Seed	1020.0	10855.0	-0.09446949370222676	--
28	CALCIUM	Sprout Seedling	1090.0	3028.0	-0.3113957775064191	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	KILOCALORIES	Seed	1130.0	3840.0	-0.7973418967888913	--
4	PHOSPHORUS	Seed	1130.0	9000.0	0.9636592343249576	--
13	PALMITIC-ACID	Seed	1180.0	5813.0	-0.5796599980056426	--
0	SFA	Seed	1620.0	6653.0	-0.5130672923462005	--
27	LINOLEIC-ACID	Seed	2150.0	9509.0	-0.8363595595989931	--
8	TYROSINE	Seed	2200.0	8450.0	0.16419778773437388	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
7	HISTIDINE	Seed	2320.0	7796.0	0.44447546934882604	USDA's Ag Handbook 8 and sequelae)
3	ALANINE	Seed	2600.0	12190.0	0.4323402326407051	USDA's Ag Handbook 8 and sequelae)
12	GLYCINE	Seed	2740.0	10090.0	-0.12465742701620912	USDA's Ag Handbook 8 and sequelae)
4	THREONINE	Seed	2900.0	10320.0	0.48822411613852307	--
0	FAT	Sprout Seedling	2900.0	22000.0	-0.624201906684424	--
14	POTASSIUM	Seed	2950.0	39000.0	2.324341926317639	--
4	PUFA	Seed	3090.0	14079.0	-0.6987597730103201	--
7	PHENYLALANINE	Seed	3370.0	13760.0	0.26505605059796544	--
13	LIGNIN	Seed	3400.0	6400.0	-0.6566021203023709	--
4	PHOSPHORUS	Sprout Seedling	3820.0	10611.0	2.046625909896273	--
3	VALINE	Seed	4270.0	14370.0	0.2904680497574405	--
1	SERINE	Seed	4270.0	15900.0	1.020671669330021	--
3	ISOLEUCINE	Seed	4400.0	14785.0	0.5478501539209853	USDA's Ag Handbook 8 and sequelae)
4	LYSINE	Seed	4520.0	19010.0	0.9361844799669995	--
14	ARGININE	Seed	4580.0	15390.0	-0.391695611260045	USDA's Ag Handbook 8 and sequelae)
0	ASH	Leaf	5000.0	179000.0	1.059739339830703	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
2	LEUCINE	Seed	5380.0	20595.0	0.33631282993834133	--
15	FIBER	Sprout Seedling	6000.0	17000.0	-1.3976624547397958	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	PROTEIN	Leaf	6000.0	214000.0	0.021497714576003205	--
3	ASPARTIC-ACID	Seed	7350.0	30802.0	0.7291156014800422	USDA's Ag Handbook 8 and sequelae)
8	GLUTAMIC-ACID	Seed	8810.0	33820.0	-0.333021651306727	USDA's Ag Handbook 8 and sequelae)
15	FIBER	Seed	10000.0	84500.0	-0.3970101712098695	--
0	ASH	Seed	15000.0	100000.0	1.5676426558251149	--
0	CARBOHYDRATES	Leaf	17000.0	674000.0	0.49425767892588474	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	ASH	Sprout Seedling	22000.0	61000.0	-0.08467155315304167	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	WATER	Seed	46900.0	702400.0	1.8219784118561275	--
0	PROTEIN	Seed	68400.0	287000.0	0.4732765325212745	--
0	PROTEIN	Sprout Seedling	130000.0	361000.0	0.4725709176557974	--
0	CARBOHYDRATES	Sprout Seedling	200000.0	556000.0	-0.11566411833728583	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	CARBOHYDRATES	Seed	201000.0	731000.0	0.8250352521602637	--